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GREEN ENERGY FOR OUR PLANET

EG-BC-002 AA/AAA NI-MH BATTERY ULTRA FAST CHARGER

USER MANUAL

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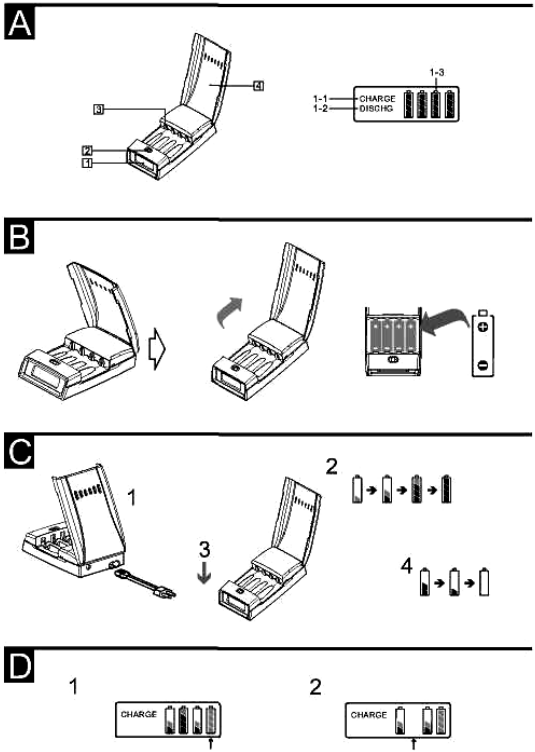
FEATURES

* Ultra fast battery charging within only 30-60 minutes
* Charges any battery combination: from 1 to 4 pcs at the same time Voltage and temperature monitoring with the overheat protection Supports both 110 … 220 VAC power, as well as charging from the car DC power source
* Cooling fan

SPECIFICATIONS

* AC input: 100-240 V at 1 A max, 50/60 Hz
* DC input socket with the positive 2 mm central pin: for 12 VDC 2 A adapter (enclosed)
* Supports rechargeable Ni-MH batteries: AA or AAA up to 4 pcs
* Output: DC1.2 V up to 3 A for AA or up to 1.5 A for AAA batteries
* 4 independent charging channels
* Dimensions (L x H x W): 120 x 73 x 46 mm
* Net weight: 0.11 Kg


A
4
3
2
1
1-3
1-1
CHARGE
1-2
DISCHG
B
C
1
2
3
4
D
1
CHARGE
2
CHARGE

The charger with LCD Battery Indicator has the following leading features:

- LCD Battery Indicator
- Refresh Function 3 Safety Features

1: Voltage monitoring function

2: Safety timer

3: Temperature monitoring function Worldwide Voltage AC 100 - 240 V

What is the Refresh Function?

The Refresh function is a function that will eliminate the memory effect left over by a battery that has been charged without first being fully discharged. The memory effect is a temporary voltage depletion caused by charging and discharging a battery without the battery ever being fully discharged. The memory effect, which will shorten the usable time of the battery (the operating time of the equipment), can be observed when the operating life-time of the equipment in which the batteries are placed

decreases overtime. With the unique Refresh function, you can renew the original usable time of the battery by fully discharging it.

The impact of the memory effect varies depending on the equipment in which the Batteries are being used.

• You do not need to refresh a battery before each charge. Only refresh a battery when you notice the usable time of the battery on a particular piece of equipment shortens.

Please read the following instructions carefully before use.

The Super Quick Charger should be used only with AA or AAA size Ni-MH batteries that are marked rechargeable.

Parts (**A**)

[1]. LCD Battery Indicator

1 -1: CHARGE indicator: Indicates the charging process is on.

1 -2: REFRESH indicator: Indicates the refresh process is on.

1-3: Battery indicator: Indicates the charging or refreshing levels of the batteries. **[2]**. Refresh button **[3]**. Compartment **[4]**. Cover

How to insert the rechargeable batteries (**B**)

1. Open the cover.

2. Insert the AA or AAA size Ni-MH rechargeable batteries into the charger, ensuring proper Alignment of the + and - terminals.

Any combination of AA and AAA rechargeable batteries is possible

AA: 1 to 4 batteries AAA: 1 to 4 batteries

Charging the batteries (**C**-1, 2)

Once the batteries have been properly inserted, plug the appropriate end of the power cord into the charger and the other end of power cord into the proper mains (standard 100V-240V). The LCD Battery indicator will start to check the condition of the batteries within the first 3 seconds and the CHARGE indicator will light up to indicate that the charging process has begun. The indicated battery levels will light up and start to blink from the bottom up to show the levels of charge (**C**-2) The CHARGE indicator will turn off once the batteries are fully charged. The batteries are now ready for use. Remove the charger from the mains and remove the batteries from the charger.

Charging the batteries with Refresh Function (**C**-1, 3, 4)

To charge the batteries using the Refresh function insert the batteries and plug in the charger as indicated. Press the refresh button and close the cover. The REFRESH indicator will light up to indicate that the refresh process has begun. The indicated battery levels will appear and start to turn off from the top down (**C**-4). Once this process is completed, the battery charging process will automatically start. To stop the refresh process before it is completed, press the refresh button.

Notes (**D**-1, 2)

• If the battery indicator consistently blinks quickly, or the backlight on the LCD screen does not turn on, please refer to the troubleshooting chart.

• The batteries must be inserted before the charger is plugged into the mains.

• The batteries should never be stored in the charger when not being charged.

• The battery indicator will not appear if a battery is not inserted.

Charging Times / Refresh Times Battery Type

Battery	Type	Battery Type	Refresh time
Nickel-Metal Hydride Battery		1-4 batteries	1-4 batteries
	NH-AA (2300 mAh)	110 minutes	5 hours
	NH-AA (2100 mAh)	95 minutes	4 hours
	NH-AAA (800 mAh)	70 minutes	2 hours
	NH-AAA (700 mAh)	60 minutes	1.5 hours

Troubleshooting

LCD Battery	Possible Cause	Solution
The battery blinking quickly	Rechargeable battery is being charged or refreshed in temperatures either too high or too low	Charging and refreshing temperatures should range between 0"C-35"C
	Life of rechargeable battery has expired	Insert a new rechargeable battery.
	Charging incorrect types of batteries	Charge only a Ni-MH rechargeable battery
CHARGE indicator and backlight turns off after a few seconds	Rechargeable battery has already been fully charged	The battery does not need to be charged
	Charging incorrect types of batteries	Charge only a Ni-MH rechargeable battery

	The battery is not inserted properly.	Insert the battery properly. Align + and terminal.
Battery indicator where the battery is inserted.	The contact surface of the rechargeable battery may not be clean.	Clean the + and - terminal of the rechargeable battery and charger.
	The contact surface of the plug may not be good.	Clean the plug. Try another main.

WARNING

- Use only AA or AAA size Ni-MH rechargeable batteries.

• Never charge or refresh other types of batteries, such as Alkaline or Carbon Zinc as this may cause them to become hot, leak or rupture, causing personal injury or property damage.

The charger and batteries may become hot when charging or refreshing. This is normal.

• Use caution when handling.

• Use the charger properly to avoid electric shock.

CAUTION

• The battery charger is for indoor use only. Never expose the charger to rain or snow.

• The charger should be disconnected from the mains when the charging process is complete or when the charger is not in use.

• Do not drop, place heavy weight on, or allow strong impact to the charger.

• Do not disassemble or reassemble the charger.

• Children should only use the charger under adult supervision.

• Operating Temperature: 0-35. To optimize charging capacity, charge the batteries in temperature between10-30”C.

• Do not expose the charger to direct sunlight. Keep away from high temperatures.

Instructions for the Ni-MH rechargeable batteries

The batteries included are not charged. It is necessary to charge the batteries before using them for the first time.

The contact surface of the batteries and the charger must always be kept clean.

• Do not expose the batteries to water. Do not heat up the batteries or dispose of them in fire.

• Do not tear off the jacket label. Do not disassemble or reassemble the batteries.

• Do not short-circuit the batteries. To avoid short-circuiting, keep the batteries away from all metal objects (e.g. coins, hair-pins, keys, etc.)

If the batteries are stored without use, either partially charged or fully discharged for 6 months or longer, they may require several cycles of charging and discharging in order to attain their original charge capacity.